

```
--- -----  
? set hi ;set hi  
HIGHLIGHT set on as ''  
HIGHLIGHT set on as ''  
? begin 5,73,155,399  
07dec09 15:45:30 User208760 Session D3134.2  
$0.00 0.115 DialUnits File410  
$0.00 Estimated cost File410  
$0.02 TELNET  
$0.02 Estimated cost this search  
$0.57 Estimated total session cost 0.267 DialUnits
```

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SYSTEM:OS - DIALOG OneSearch  
File 5:Biosis Previews(R) 1926-2009/Nov W5  
(c) 2009 The Thomson Corporation  
File 73:EMBASE 1974-2009/Dec 07  
(c) 2009 Elsevier B.V.
```

\*File 73: UD20091118 contains data for November 16-18.

```
File 155:MEDLINE(R) 1950-2009/Dec 04  
(c) format only 2009 Dialog
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\*File 155: Please see HELP NEWS 154 for information on updating  
in Medline the month of November.

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File 399:CA SEARCH(R) 1967-2009/UD=15124  
(c) 2009 American Chemical Society
```

\*File 399: Use is subject to the terms of your user/customer agreement.  
IPCR/8 classification codes now searchable as IC=. See HELP NEWSIPCR.

Set	Items	Description
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? s (il(w)18)(20n)(inhibit? or suppress? or antibod? or immunoglobulin? or  
antagoni? or block? or prevent?) and (treat? or therap? or clinical or patient?)

Processing

Processing

Processing

Processing

Processing

Processing

581352	IL
1842927	18
5701591	INHIBIT?
1212661	SUPPRESS?
2478955	ANTIBOD?
961382	IMMUNOGLOBULIN?
1477887	ANTAGONI?
1783648	BLOCK?
3181545	PREVENT?
3277	IL(W)18(20N)(((((INHIBIT? OR SUPPRESS?) OR ANTIBOD?) OR IMMUNOGLOBULIN?) OR ANTAGONI?) OR BLOCK?) OR PREVENT?)
9623576	TREAT?
9022110	THERAP?
11930136	CLINICAL
10118785	PATIENT?
S1 2151	(IL(W)18)(20N)(INHIBIT? OR SUPPRESS? OR ANTIBOD? OR IMMUNOGLOBULIN? OR ANTAGONI? OR BLOCK? OR PREVENT?) AND (TREAT? OR THERAP? OR CLINICAL OR PATIENT?)

? s s1 and (review? or overview? or synopsis)

>>>File 5 processing for REVIEW? stopped at REVIEW MOUSE A-431 CELLS

STRUCTURE MEMBRANE

2151 S1

5402356 REVIEW?

171886 OVERVIEW?  
9753 SYNOPSIS  
S2 115 S1 AND (REVIEW? OR OVERVIEW? OR SYNOPSIS)  
? rd s2  
S3 77 RD S2 (unique items)  
? t s3/3/all

3/3/1 (Item 1 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2009 The Thomson Corporation. All rts. reserv.

0021269773 BIOSIS NO.: 200900611210  
Modulation of osteoclast function in bone by the immune system  
AUTHOR: Quinn Julian M W (Reprint); Saleh Hasnawati  
AUTHOR ADDRESS: Monash Med Ctr, Prince Henrys Inst, Level 4 Block E, 246  
Clayton Rd, Clayton, Vic 3065, Australia\*\*Australia  
AUTHOR E-MAIL ADDRESS: julian.quinn@princehenrys.org  
JOURNAL: Molecular and Cellular Endocrinology 310 (1-2, Sp. Iss. SI): p  
40-51 OCT 30 2009 2009  
ITEM IDENTIFIER: doi:10.1016/j.mce.2008.11.002  
ISSN: 0303-7207  
DOCUMENT TYPE: Article; Literature Review  
RECORD TYPE: Abstract  
LANGUAGE: English

3/3/2 (Item 2 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2009 The Thomson Corporation. All rts. reserv.

0020071066 BIOSIS NO.: 200800118005  
The "T" in trauma: the helper T-cell response and the role of  
immunomodulation in trauma and burn patients  
AUTHOR: Miller Andrew C (Reprint); Rashid Rashid M; Elamin Elamin M  
AUTHOR ADDRESS: SUNY Hlth Sci Ctr, Dept Emergency Med, 450 Clarkson Ave, Box  
1228, Brooklyn, NY 11203 USA\*\*USA  
AUTHOR E-MAIL ADDRESS: andrewcmiller@optonline.net  
JOURNAL: Journal of Trauma Injury Infection and Critical Care 63 (6): p  
1407-1417 DEC 2007 2007  
ITEM IDENTIFIER: doi:10.1097/TA.0b013e31815b839e  
ISSN: 0022-5282  
DOCUMENT TYPE: Article; Literature Review  
RECORD TYPE: Abstract  
LANGUAGE: English

3/3/3 (Item 3 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2009 The Thomson Corporation. All rts. reserv.

0019875650 BIOSIS NO.: 200700535391  
The expanding family of interleukin-1 cytokines and their role in  
destructive inflammatory disorders  
AUTHOR: Barksby H E; Lea S R; Preshaw P M; Taylor J J (Reprint)  
AUTHOR ADDRESS: Univ Newcastle Upon Tyne, Sch Dent Sci, Oral Microbiol and  
Host Responses Grp, Newcastle Upon Tyne NE2 4BW, Tyne and Wear, UK\*\*UK  
AUTHOR E-MAIL ADDRESS: j.j.taylor@ncl.ac.uk  
JOURNAL: Clinical and Experimental Immunology 149 (2): p217-225 AUG 2007  
2007  
ITEM IDENTIFIER: doi:10.1111/j.1365-2249.2007.03441.x  
ISSN: 0009-9104

DOCUMENT TYPE: Article; Literature Review  
RECORD TYPE: Abstract  
LANGUAGE: English

3/3/4 (Item 4 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2009 The Thomson Corporation. All rts. reserv.

0019624154 BIOSIS NO.: 200700283895  
IL-18 in autoimmunity: review  
AUTHOR: Boraschi Diana (Reprint); Dinarello Charles A  
AUTHOR ADDRESS: CNR, Lab Cytokines, Unit Immunobiol, Inst Biomed  
Technol,CNR,Area Ric Cataldo, Via G Moruzzi 1, I-56124 Pisa, Italy\*\*Italy  
AUTHOR E-MAIL ADDRESS: diana.boraschi@itb.cnr.it  
JOURNAL: European Cytokine Network 17 (4): p224-252 DEC 2006 2006  
ISSN: 1148-5493  
DOCUMENT TYPE: Article; Literature Review  
RECORD TYPE: Abstract  
LANGUAGE: English

3/3/5 (Item 5 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2009 The Thomson Corporation. All rts. reserv.

0019465621 BIOSIS NO.: 200700125362  
Cytokines in breast cancer  
AUTHOR: Nicolini A (Reprint); Carpi A; Rossi G  
AUTHOR ADDRESS: Univ Pisa, Dept Internal Med, Via Roma 67, I-56126 Pisa,  
Italy\*\*Italy  
AUTHOR E-MAIL ADDRESS: a.nicolini@int.med.unipi.it  
JOURNAL: Cytokine & Growth Factor Reviews 17 (5): p325-337 OCT 2006 2006  
ISSN: 1359-6101  
DOCUMENT TYPE: Article; Literature Review  
RECORD TYPE: Abstract  
LANGUAGE: English

3/3/6 (Item 6 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2009 The Thomson Corporation. All rts. reserv.

19283198 BIOSIS NO.: 200600628593  
Immune stimulatory strategies for the prevention and treatment of  
asthma  
AUTHOR: Wohlleben G; Erb K J (Reprint)  
AUTHOR ADDRESS: Boehringer Ingelheim Pharma GmbH and Co KG, Dept Pulm Res,  
H91-02-01,Birkendorferstr 65, D-88397 Biberach, Germany\*\*Germany  
AUTHOR E-MAIL ADDRESS: Klaus.Erb@bc.boehringer-ingelheim.com  
JOURNAL: Current Pharmaceutical Design 12 (25): p3281-3292 2006 2006  
ISSN: 1381-6128  
DOCUMENT TYPE: Article  
RECORD TYPE: Abstract  
LANGUAGE: English

3/3/7 (Item 7 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2009 The Thomson Corporation. All rts. reserv.

19117084 BIOSIS NO.: 200600462479

Cytokine and anti-cytokine therapies for psoriasis and atopic dermatitis

AUTHOR: Numerof Robert P (Reprint); Asadullah Khusru

AUTHOR ADDRESS: Berlex Biosci, Res Business Area Dermatol SA, 2600 Hilltop Dr, POB 4099, Richmond, CA 94804 USA\*\*USA

AUTHOR E-MAIL ADDRESS: robertnumerof@berlex.com

JOURNAL: BioDrugs 20 (2): p93-103 2006 2006

ISSN: 1173-8804

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

3/3/8 (Item 8 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

(c) 2009 The Thomson Corporation. All rts. reserv.

19110560 BIOSIS NO.: 200600455955

Biological therapies for inflammatory bowel disease: Research drives clinics

AUTHOR: Danese Silvio (Reprint); Semeraro Stefano; Armuzzi Alessandro; Papa Alfredo; Gasbarrini Antonio

AUTHOR ADDRESS: IRCCS, Ist Clin Humanities, Div Gastroenterol, IBD Unit, Viale Manzoni 56, I-20089 Milan, Italy\*\*Italy

AUTHOR E-MAIL ADDRESS: s.danese@hotmail.com

JOURNAL: Mini-Reviews in Medicinal Chemistry 6 (7): p771-784 JUL 2006 2006

ISSN: 1389-5575

DOCUMENT TYPE: Article; Literature Review

RECORD TYPE: Abstract

LANGUAGE: English

3/3/9 (Item 9 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

(c) 2009 The Thomson Corporation. All rts. reserv.

18972774 BIOSIS NO.: 200600318169

Agents against cytokine synthesis or receptors

AUTHOR: Yamagata Toshiyuki; Ichinose Masakazu (Reprint)

AUTHOR ADDRESS: Wakayama Med Univ, Dept Internal Med 3, Kimiidera 811-1, Wakayama 6418509, Japan\*\*Japan

AUTHOR E-MAIL ADDRESS: masakazu@wakayama-med.ac.jp

JOURNAL: European Journal of Pharmacology 533 (1-3): p289-301 MAR 8 2006 2006

ISSN: 0014-2999

DOCUMENT TYPE: Article; Literature Review

RECORD TYPE: Abstract

LANGUAGE: English

3/3/10 (Item 10 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

(c) 2009 The Thomson Corporation. All rts. reserv.

18952883 BIOSIS NO.: 200600298278

Interleukin 1 and interleukin 18 as mediators of inflammation and the aging process

AUTHOR: Dinarello Charles A (Reprint)

AUTHOR ADDRESS: Univ Colorado, Hlth Sci Ctr, Dept Med, Div Infect Dis, 4200 E 9th Ave, B168, Denver, CO 80262 USA\*\*USA

AUTHOR E-MAIL ADDRESS: cdinare333@aol.com  
JOURNAL: American Journal of Clinical Nutrition 83 (2): p447S-455S FEB  
2006 2006  
ISSN: 0002-9165  
DOCUMENT TYPE: Article; Literature Review  
RECORD TYPE: Abstract  
LANGUAGE: English

3/3/11 (Item 11 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2009 The Thomson Corporation. All rts. reserv.

18734982 BIOSIS NO.: 200600080377  
Th1 cytokines in the pathogenesis of lupus nephritis: The role of IL-18  
AUTHOR: Calvani Nicola; Tucci Marco; Richards Hanno B; Tartaglia Paola;  
Silvestris Franco (Reprint)  
AUTHOR ADDRESS: Univ Bari, Dept Internal Med and Clin Oncol, DIMO, Piazza  
Giulio Ceassare 11, I-70124 Bari, Italy\*\*Italy  
AUTHOR E-MAIL ADDRESS: f.silvestris@dimo.uniba.it  
JOURNAL: Autoimmunity Reviews 4 (8): p542-548 NOV 2005 2005  
ISSN: 1568-9972  
DOCUMENT TYPE: Article; Literature Review  
RECORD TYPE: Abstract  
LANGUAGE: English

3/3/12 (Item 12 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2009 The Thomson Corporation. All rts. reserv.

18675268 BIOSIS NO.: 200600020663  
The toll-like receptor-nuclear factor kappa B pathway in rheumatoid  
arthritis  
AUTHOR: Andreakos Evangelos (Reprint); Sacre Sandra; Foxwell Brian M;  
Feldmann Marc  
AUTHOR ADDRESS: Univ London Imperial Coll Sci Technol and Med, Kennedy  
Inst, Div Rheumatol, Fac Med, 1 Aspenlea Rd, London W6 8LH, UK\*\*UK  
AUTHOR E-MAIL ADDRESS: evangelos.andreakos@imperial.ac.uk  
JOURNAL: Frontiers in Bioscience 10 (Suppl. S): p2478-2488 SEP 1 2005 2005  
ISSN: 1093-9946  
DOCUMENT TYPE: Article  
RECORD TYPE: Abstract  
LANGUAGE: English

3/3/13 (Item 13 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2009 The Thomson Corporation. All rts. reserv.

18583425 BIOSIS NO.: 200510277925  
Role of the leukemia-inhibitory factor gene mutations in infertile women:  
The embryo-endometrial cytokine cross talk during implantation - a  
delicate homeostatic equilibrium  
AUTHOR: Kralickova M (Reprint); Sima P; Rokyta Z  
AUTHOR ADDRESS: Charles Univ, Univ Hosp, Fac Med, Dept Obstet and Gynecol,  
Pilsen 30166, Czech Republic\*\*Czech Republic  
AUTHOR E-MAIL ADDRESS: milena5m@seznam.cz  
JOURNAL: Folia Microbiologica 50 (3): p179-186 2005 2005  
ISSN: 0015-5632  
DOCUMENT TYPE: Article; Literature Review

RECORD TYPE: Abstract

LANGUAGE: English

3/3/14 (Item 14 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2009 The Thomson Corporation. All rts. reserv.

17936901 BIOSIS NO.: 200400307658  
The pathophysiology of chronic graft-versus-host disease  
AUTHOR: Kansu Emin (Reprint)  
AUTHOR ADDRESS: Inst OncoHematopoiet Stem Cell Transplantat Unit,  
Hacettepe Univ, TR-06100, Ankara, Turkey\*\*Turkey  
AUTHOR E-MAIL ADDRESS: ekansu@ada.net.tr  
JOURNAL: International Journal of Hematology 79 (3): p209-215 April 2004  
2004  
MEDIUM: print  
ISSN: 0925-5710 \_(ISSN print)  
DOCUMENT TYPE: Article; Literature Review  
RECORD TYPE: Abstract  
LANGUAGE: English

3/3/15 (Item 15 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
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17334461 BIOSIS NO.: 200300292280  
Adenoviral delivery of IL-18 binding protein C ameliorates Collagen-Induced  
Arthritis in mice.  
AUTHOR: Smeets R L; van de Loo F A J (Reprint); Arntz O J; Bennink M B;  
Joosten L A B; van den Berg W B  
AUTHOR ADDRESS: Rheumatology Research Laboratory, University Medical Center  
Nijmegen, 6500 HB, Nijmegen, Netherlands\*\*Netherlands  
JOURNAL: Gene Therapy 10 (12): p1004-1011 June 2003 2003  
MEDIUM: print  
ISSN: 0969-7128 \_(ISSN print)  
DOCUMENT TYPE: Article; Literature Review  
RECORD TYPE: Abstract  
LANGUAGE: English

3/3/16 (Item 16 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2009 The Thomson Corporation. All rts. reserv.

17225292 BIOSIS NO.: 200300184011  
Anti-Interleukin-18 therapy in murine models of inflammatory bowel  
disease.  
AUTHOR: Lochner Matthias; Forster Irmgard (Reprint)  
AUTHOR ADDRESS: Institut fuer Medizinische Mikrobiologie, Immunologie und  
Hygiene, Trotterstrasse 4b, D-81675, Muenchen, Germany\*\*Germany  
AUTHOR E-MAIL ADDRESS: i.foerster@lrz.tu-muenchen.de  
JOURNAL: Pathobiology 70 (3): p164-169 February 2002-2003 2002  
MEDIUM: print  
ISSN: 1015-2008  
DOCUMENT TYPE: Article  
RECORD TYPE: Abstract  
LANGUAGE: English

3/3/17 (Item 17 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2009 The Thomson Corporation. All rts. reserv.

17151939 BIOSIS NO.: 200300110658  
Potential therapeutic role for cytokine or adhesion molecule manipulation in Crohn's disease: In the shadow of infliximab?  
AUTHOR: Shand Alan; Forbes Alastair (Reprint)  
AUTHOR ADDRESS: St Mark's Hospital, Watford Road, Harrow, HA1 3UJ, UK\*\*UK  
AUTHOR E-MAIL ADDRESS: alastair.forbes@ic.ac.uk  
JOURNAL: International Journal of Colorectal Disease 18 (1): p1-11 January 2003 2003  
MEDIUM: print  
ISSN: 0179-1958 \_(ISSN print)  
DOCUMENT TYPE: Article; Literature Review  
RECORD TYPE: Abstract  
LANGUAGE: English

3/3/18 (Item 18 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2009 The Thomson Corporation. All rts. reserv.

16679308 BIOSIS NO.: 200200272819  
Immunoregulatory functions of interleukin 18 and its role in defense against bacterial pathogens  
AUTHOR: Biet Franck; Locht Camille; Kremer Laurent (Reprint)  
AUTHOR ADDRESS: Laboratoire de Microbiologie Genetique et Moleculaire, Institut National de la Sante et de la Recherche Medicale U447, Institut Pasteur de Lille, 1 Rue du Professeur Calmette, 59021, Lille, France\*\* France  
JOURNAL: Journal of Molecular Medicine (Berlin) 80 (3): p147-162 March, 2002 2002  
MEDIUM: print  
ISSN: 0946-2716  
DOCUMENT TYPE: Article; Literature Review  
RECORD TYPE: Abstract  
LANGUAGE: English

3/3/19 (Item 19 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2009 The Thomson Corporation. All rts. reserv.

16555521 BIOSIS NO.: 200200149032  
Viral binding proteins as antibody surrogates in immunoassays of cytokines  
AUTHOR: Bai Hongdong; Buller R Mark L (Reprint); Chen Nanhai; Boyle Michael D P  
AUTHOR ADDRESS: Department of Molecular Microbiology and Immunology, St. Louis University Health Sciences Center, 1402 S Grand Boulevard, Room M410, Saint Louis, MO, 63104, USA\*\*USA  
JOURNAL: Biotechniques 32 (1): p160-171 January, 2002 2002  
MEDIUM: print  
ISSN: 0736-6205  
DOCUMENT TYPE: Article; Literature Review  
RECORD TYPE: Abstract  
LANGUAGE: English

3/3/20 (Item 20 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)

(c) 2009 The Thomson Corporation. All rts. reserv.

15509944 BIOSIS NO.: 200000228257

Anti-inflammatory cytokines

AUTHOR: Opal Steven M (Reprint); DePalo Vera A

AUTHOR ADDRESS: Infectious Disease Division, Memorial Hospital of Rhode Island, 111 Brewster St, Pawtucket, RI, 02860, USA\*\*USA

JOURNAL: Chest 117 (4): p1162-1172 April, 2000 2000

MEDIUM: print

ISSN: 0012-3692

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

3/3/21 (Item 21 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

(c) 2009 The Thomson Corporation. All rts. reserv.

14510751 BIOSIS NO.: 199800304998

Examining a paradox in the pathogenesis of human pulmonary tuberculosis:  
Immune activation and suppression/anergy

AUTHOR: Vanham G (Reprint); Toossi Z; Hirsch C S; Wallis R S; Schwander S K  
; Rich E A; Ellner J J

AUTHOR ADDRESS: Lab. Immunol., Dep. Microbiol., Inst. Trop. Med.,  
Nationalestraat 155, B-2000 Antwerp, Belgium\*\*Belgium

JOURNAL: Tubercle and Lung Disease 78 (3-4): p145-158 1997 1997

MEDIUM: print

ISSN: 0962-8479

DOCUMENT TYPE: Article; Literature Review

RECORD TYPE: Abstract

LANGUAGE: English

3/3/22 (Item 22 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

(c) 2009 The Thomson Corporation. All rts. reserv.

14477967 BIOSIS NO.: 199800272214

Natural and therapeutically-induced antibodies to cytokines

AUTHOR: Revoltella Roberto P (Reprint)

AUTHOR ADDRESS: Inst. Mutagenesis Differentiation, CNR, Via Svezio, 2a,  
56124 Pisa, Italy\*\*Italy

JOURNAL: Biotherapy (Dordrecht) 10 (4): p321-331 1998 1998

MEDIUM: print

ISSN: 0921-299X

DOCUMENT TYPE: Article; Literature Review

RECORD TYPE: Abstract

LANGUAGE: English

3/3/23 (Item 1 from file: 73)

DIALOG(R)File 73:EMBASE

(c) 2009 Elsevier B.V. All rts. reserv.

0083291131 EMBASE No: 2009509790

Recent update on acute kidney injury and critical dialysis  
Kuo C.-C.; Chou Y.-H.; Lee P.-H.; Chen C.-H.; Wang C.-L.; Tsai P.-R.; Wu V.-C.; Lin S.-L.; Chen Y.-M.; Wu K.-D.; Tsai T.-J.; Ko W.-J.; Wu M.-S.  
Department of Internal Medicine, National Taiwan University Hospital,  
Taipei, Republic of China (ROC); NSARF Study Group, National Taiwan

University Hospital, Surgical Intensive Care Unit  
CORRESP. AUTHOR/AFFIL: Kuo C.-C.: Department of Internal Medicine,  
National Taiwan University Hospital, Taipei, Republic of China (ROC)

Journal of Internal Medicine of Taiwan ( J. Intern. Med. Taiwan ) ( Republic of China (ROC)) August 1, 2009, 20/4 (320-334)  
CODEN: JIMTB ISSN: 1016-7390  
DOCUMENT TYPE: Journal; Review RECORD TYPE: Abstract  
LANGUAGE: Chinese SUMMARY LANGUAGE: English; Chinese  
NUMBER OF REFERENCES: 116

3/3/24 (Item 2 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 2009 Elsevier B.V. All rts. reserv.

0083210986 EMBASE No: 2009467514  
IL-18 and skin inflammation  
Wittmann M.; Macdonald A.; Renne J.  
Institute of Molecular and Cellular Biology, Faculty of Biological Sciences, University of Leeds, Leeds, United Kingdom; Department of Immunodermatology and Allergy Research, Hannover Medical School, Hannover, Germany  
AUTHOR EMAIL: M.Wittmann@leeds.ac.uk  
CORRESP. AUTHOR/AFFIL: Wittmann M.: Institute of Molecular and Cellular Biology, Faculty of Biological Sciences, University of Leeds, Leeds, United Kingdom  
CORRESP. AUTHOR EMAIL: M.Wittmann@leeds.ac.uk

Autoimmunity Reviews ( Autoimmun. Rev. ) (Netherlands) September 1, 2009  
, 9/1 (45-48)  
CODEN: ARUEB ISSN: 1568-9972  
PUBLISHER ITEM IDENTIFIER: S1568997209000780  
DOI: 10.1016/j.autrev.2009.03.003  
DOCUMENT TYPE: Journal; Review RECORD TYPE: Abstract  
LANGUAGE: English SUMMARY LANGUAGE: English  
NUMBER OF REFERENCES: 38

3/3/25 (Item 3 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 2009 Elsevier B.V. All rts. reserv.

0083209592 EMBASE No: 2009441529  
TIR8/SIGIRR: an IL-1R/TLR family member with regulatory functions in inflammation and T cell polarization  
Garlanda C.; Anders H.-J.; Mantovani A.  
Istituto Clinico Humanitas, IRCCS, Department of Immunology and Inflammation, Rozzano, Milan, Italy  
AUTHOR EMAIL: cecilia.garlanda@humanitas.it;  
alberto.mantovani@humanitas.it  
CORRESP. AUTHOR/AFFIL: Garlanda C.: Istituto Clinico Humanitas, IRCCS, Department of Immunology and Inflammation, Rozzano, Milan, Italy  
CORRESP. AUTHOR EMAIL: cecilia.garlanda@humanitas.it

Trends in Immunology ( Trends Immunol. ) (United Kingdom) September 1, 2009, 30/9 (439-446)  
CODEN: TIRMA ISSN: 1471-4906  
PUBLISHER ITEM IDENTIFIER: S1471490609001380  
DOI: 10.1016/j.it.2009.06.001  
DOCUMENT TYPE: Journal; Review RECORD TYPE: Abstract

LANGUAGE: English SUMMARY LANGUAGE: English  
NUMBER OF REFERENCES: 76

3/3/26 (Item 4 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 2009 Elsevier B.V. All rts. reserv.

0083184234 EMBASE No: 2009426669

The effect of IL-12 and IL-8 on the UV-induced immunosuppression and UV-induced immunotolerance - Similarities and differences

Majewski S.; Owczarek W.; Paluchowska E.

Department of Dermatology, Central Clinical Hospital of the Ministry of National Defence, Military Institute of the Health Services, Warsaw, Poland

CORRESP. AUTHOR/AFFIL: Majewski S.: Department of Dermatology, Central Clinical Hospital of the Ministry of National Defence, Military Institute of the Health Services, Warsaw, Poland

International Review of Allergology and Clinical Immunology ( Int. Rev. Allergol. Clin. Immunol. ) (Poland) September 14, 2009, 15/1-2 (42-44)

CODEN: IRAIF ISSN: 1232-9142

DOCUMENT TYPE: Journal; Review RECORD TYPE: Abstract

LANGUAGE: English SUMMARY LANGUAGE: English; Polish

NUMBER OF REFERENCES: 18

3/3/27 (Item 5 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 2009 Elsevier B.V. All rts. reserv.

0083078046 EMBASE No: 2009312496

Interleukin 18 in the heart

Wang M.; Markel T.A.; Meldrum D.R.

Departments of Surgery and Cellular and Integrative Physiology, Indiana University, School of Medicine, Indianapolis, IN

AUTHOR EMAIL: dmeldrum@iupui.edu

CORRESP. AUTHOR/AFFIL: Meldrum D. R.: Departments of Surgery and Cellular and Integrative Physiology, Indiana University, School of Medicine, Indianapolis, IN

CORRESP. AUTHOR EMAIL: dmeldrum@iupui.edu

Shock ( Shock ) (United States) July 1, 2008, 30/1 (3-10)

CODEN: SAGUA ISSN: 1073-2322

DOI: 10.1097/SHK.0b013e318160f215

DOCUMENT TYPE: Journal; Review RECORD TYPE: Abstract

LANGUAGE: English SUMMARY LANGUAGE: English

NUMBER OF REFERENCES: 119

3/3/28 (Item 6 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 2009 Elsevier B.V. All rts. reserv.

0082871757 EMBASE No: 2009104081

The role of interleukin 18 in the pathogenesis of hypertension-induced vascular disease

Rabkin S.W.

Department of Medicine, University of British Columbia, Vancouver, BC, Canada

CORRESP. AUTHOR/AFFIL: Rabkin S.W.: Department of Medicine, University of

British Columbia, Vancouver, BC, Canada

Nature Clinical Practice Cardiovascular Medicine ( Nat. Clin. Pract. Cardiovasc. Med. ) (United Kingdom) March 10, 2009, 6/3 (192-199)  
ISSN: 1743-4297 eISSN: 1743-4300  
PUBLISHER ITEM IDENTIFIER: NCPCARDIO1453  
DOI: 10.1038/ncpcardio1453  
DOCUMENT TYPE: Journal; Review RECORD TYPE: Abstract  
LANGUAGE: English SUMMARY LANGUAGE: English  
NUMBER OF REFERENCES: 70

3/3/29 (Item 7 from file: 73)  
DIALOG(R)File 73:EMBASE  
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0082559597 EMBASE No: 2008375697  
Cytokines and atherosclerosis: A comprehensive review of studies in mice  
Kleemann R.; Zadelaar S.; Kooistra T.  
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Cardiovascular Research ( Cardiovasc. Res. ) (United Kingdom) August 1, 2008, 79/3 (360-376)  
CODEN: CVREA ISSN: 0008-6363 eISSN: 1755-3245  
DOI: 10.1093/cvr/cvn120  
DOCUMENT TYPE: Journal; Review RECORD TYPE: Abstract  
LANGUAGE: English SUMMARY LANGUAGE: English  
NUMBER OF REFERENCES: 96

3/3/30 (Item 8 from file: 73)  
DIALOG(R)File 73:EMBASE  
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0082532328 EMBASE No: 2008337535  
IL-1, IL-18, and IL-33 families of cytokines  
Arend W.P.; Palmer G.; Gabay C.  
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CODEN: IMRED ISSN: 0105-2896 eISSN: 1600-065X  
DOI: 10.1111/j.1600-065X.2008.00624.x  
DOCUMENT TYPE: Journal; Review RECORD TYPE: Abstract  
LANGUAGE: English SUMMARY LANGUAGE: English  
NUMBER OF REFERENCES: 204

3/3/31 (Item 9 from file: 73)  
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0082480506 EMBASE No: 2008321293  
IL-1 cytokines in cardiovascular disease: Diagnostic, prognostic and therapeutic implications  
Apostolakis S.; Vogiatzi K.; Krambovitis E.; Spandidos D.A.  
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Cardiovascular and Hematological Agents in Medicinal Chemistry (cardiovasc. Hematol. Agents Med. Chem. ) (Netherlands) April 1, 2008, 6/2 (150-158)  
ISSN: 1871-5257  
DOI: 10.2174/187152508783955006  
URL:  
<http://www.ingentaconnect.com/content/ben/chamc/2008/00000006/00000002/art0008>

DOCUMENT TYPE: Journal; Review RECORD TYPE: Abstract  
LANGUAGE: English SUMMARY LANGUAGE: English  
NUMBER OF REFERENCES: 139

3/3/32 (Item 10 from file: 73)  
DIALOG(R)File 73:EMBASE  
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0082264147 EMBASE No: 2008057549  
Biological agents targeting interleukin-18  
Jelusic M.; Lukic I.K.; Batinic D.  
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Drug News and Perspectives ( Drug News Perspect. ) (Spain) October 1, 2007, 20/8 (485-494)  
CODEN: DNPEE ISSN: 0214-0934  
DOI: 10.1358/dnp.2007.20.8.1157617  
DOCUMENT TYPE: Journal; Review RECORD TYPE: Abstract  
LANGUAGE: English SUMMARY LANGUAGE: English  
NUMBER OF REFERENCES: 176

3/3/33 (Item 11 from file: 73)  
DIALOG(R)File 73:EMBASE  
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0082074992 EMBASE No: 2007509554

Interleukin-18: A pro-inflammatory cytokine that plays an important role in acute pancreatitis

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Expert Opinion on Therapeutic Targets ( Expert Opin. Ther. Targets ) ( United Kingdom) October 1, 2007, 11/10 (1261-1271)

CODEN: EOTTA ISSN: 1472-8222

DOI: 10.1517/14728222.11.10.1261

DOCUMENT TYPE: Journal; Review RECORD TYPE: Abstract

LANGUAGE: English SUMMARY LANGUAGE: English

NUMBER OF REFERENCES: 128

3/3/34 (Item 12 from file: 73)

DIALOG(R)File 73:EMBASE

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0081986420 EMBASE No: 2007420769

Pro-inflammatory cytokines and their effects in the dentate gyrus

ISSUE TITLE: The Dentate Gyrus: A Comprehensive Guide to Structure, Function, and Clinical Implications

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Progress in Brain Research ( Prog. Brain Res. ) (Netherlands) September 25, 2007, 163/- (339-354)

CODEN: PBRRA ISSN: 0079-6123 ISBN: 0444530150 ISBN: 9780444530158

PUBLISHER ITEM IDENTIFIER: S0079612307630209

DOI: 10.1016/S0079-6123(07)63020-9

DOCUMENT TYPE: Book Series; Review RECORD TYPE: Abstract

LANGUAGE: English SUMMARY LANGUAGE: English

NUMBER OF REFERENCES: 124

3/3/35 (Item 13 from file: 73)

DIALOG(R)File 73:EMBASE

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0081980050 EMBASE No: 2007414390

The neuroimmune basis of anti-inflammatory acupuncture

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Integrative Cancer Therapies ( Integr. Cancer Ther. ) (United States)  
September 1, 2007, 6/3 (251-257)  
CODEN: ICTNA ISSN: 1534-7354 eISSN: 1552-695X  
DOI: 10.1177/1534735407305892  
DOCUMENT TYPE: Journal; Review RECORD TYPE: Abstract  
LANGUAGE: English SUMMARY LANGUAGE: English  
NUMBER OF REFERENCES: 75

3/3/36 (Item 14 from file: 73)  
DIALOG(R)File 73:EMBASE  
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0081763000 EMBASE No: 2007196963  
TCRzeta mRNA splice variant forms observed in the peripheral blood T cells from systemic lupus erythematosus patients  
Tsuzaka K.; Nozaki K.; Kumazawa C.; Shiraishi K.; Setoyama Y.; Yoshimoto K.; Abe T.; Takeuchi T.  
Department of Internal Medicine, Saitama Medical Center, Saitama Medical University, 1981 Kamoda, Kawagoe, Saitama 350-8550, Japan; Project Research Division, Research Center for Genomic Medicine, Saitama Medical University, 1397-1 Yamane, Hidaka, Saitama 350-1241, Japan  
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CODEN: SSIMD ISSN: 0344-4325  
DOI: 10.1007/s00281-006-0035-2  
DOCUMENT TYPE: Journal; Review RECORD TYPE: Abstract  
LANGUAGE: English SUMMARY LANGUAGE: English  
NUMBER OF REFERENCES: 54

3/3/37 (Item 15 from file: 73)  
DIALOG(R)File 73:EMBASE  
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0081725024 EMBASE No: 2007158831  
The role of the purinergic P2X SUB 7 receptor in inflammation  
Lister M.F.; Sharkey J.; Sawatzky D.A.; Hodgkiss J.P.; Davidson D.J.; Rossi A.G.; Finlayson K.  
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Journal of Inflammation ( J. Inflamm. ) (United Kingdom) April 23, 2007  
, 4/-  
eISSN: 1476-9255  
DOI: 10.1186/1476-9255-4-5  
ARTICLE NUMBER: 5  
DOCUMENT TYPE: Journal; Article RECORD TYPE: Abstract  
LANGUAGE: English SUMMARY LANGUAGE: English  
NUMBER OF REFERENCES: 150

3/3/38 (Item 16 from file: 73)  
DIALOG(R)File 73:EMBASE  
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0081596314 EMBASE No: 2007029609  
Interleukin-18 as a potential therapeutic target in chronic  
autoimmune/inflammatory conditions  
Bombardieri M.; McInnes I.B.; Pitzalis C.  
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Expert Opinion on Biological Therapy ( Expert Opin. Biol. Ther. ) (United  
Kingdom) January 1, 2007, 7/1 (31-40)  
CODEN: EOFTA ISSN: 1471-2598  
DOI: 10.1517/14712598.7.1.31  
DOCUMENT TYPE: Journal; Review RECORD TYPE: Abstract  
LANGUAGE: English SUMMARY LANGUAGE: English  
NUMBER OF REFERENCES: 74

3/3/39 (Item 17 from file: 73)  
DIALOG(R)File 73:EMBASE  
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0081430020 EMBASE No: 2006493014  
Interleukin-18: A proinflammatory cytokine in HIV-1 infection  
Torre D.; Pugliese A.  
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Current HIV Research ( Curr. HIV Res. ) (Netherlands) October 1, 2006,  
4/4 (423-430)  
CODEN: CHRUB ISSN: 1570-162X  
DOI: 10.2174/157016206778559993  
URL:  
<http://www.ingentaconnect.com/content/ben/chr/2006/00000004/00000004/art00004>  
DOCUMENT TYPE: Journal; Review RECORD TYPE: Abstract  
LANGUAGE: English SUMMARY LANGUAGE: English

NUMBER OF REFERENCES: 78

3/3/40 (Item 18 from file: 73)  
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0081329970 EMBASE No: 2006392415  
Treatment of rheumatoid arthritis with rituximab: An update and possible indications  
De Vita S.; Quartuccio L.  
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Autoimmunity Reviews ( Autoimmun. Rev. ) (Netherlands) August 1, 2006,  
5/7 (443-448)  
CODEN: ARUEB ISSN: 1568-9972  
PUBLISHER ITEM IDENTIFIER: S1568997206000243  
DOI: 10.1016/j.autrev.2006.02.007  
DOCUMENT TYPE: Journal; Review RECORD TYPE: Abstract  
LANGUAGE: English SUMMARY LANGUAGE: English  
NUMBER OF REFERENCES: 33

3/3/41 (Item 19 from file: 73)  
DIALOG(R)File 73:EMBASE  
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0081098103 EMBASE No: 2006159851  
The cytokine network during embryo implantation  
Huang H.-Y.  
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Chang Gung Medical Journal ( Chang Gung Med. J. ) (Taiwan, Province of China) January 1, 2006, 29/1 SPEC. ISS. (25-36)  
CODEN: CIHCE ISSN: 0255-8270  
DOCUMENT TYPE: Journal; Review RECORD TYPE: Abstract  
LANGUAGE: English SUMMARY LANGUAGE: English; Chinese  
NUMBER OF REFERENCES: 117

3/3/42 (Item 20 from file: 73)  
DIALOG(R)File 73:EMBASE  
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0081013411 EMBASE No: 2006073388  
HIV - Associated lipodystrophy in children  
Krause J.C.; Toye M.P.; Stechenberg B.W.; Reiter E.O.; Allen H.F.  
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ISSN: 1565-4753

DOCUMENT TYPE: Journal; Review RECORD TYPE: Abstract

LANGUAGE: English SUMMARY LANGUAGE: English

NUMBER OF REFERENCES: 77

3/3/43 (Item 21 from file: 73)

DIALOG(R)File 73:EMBASE

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0080722307 EMBASE No: 2005366709

Caspases as drug targets in ischemic organ injury

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Current Drug Targets: Immune, Endocrine and Metabolic Disorders ( Curr. Drug Targets: Immune, Endocr. Metab. Disord. ) (Netherlands) September 1, 2005, 5/3 (269-287)

CODEN: CDTIB ISSN: 1568-0088

DOI: 10.2174/1568008054863754

DOCUMENT TYPE: Journal; Review RECORD TYPE: Abstract

LANGUAGE: English SUMMARY LANGUAGE: English

NUMBER OF REFERENCES: 123

3/3/44 (Item 22 from file: 73)

DIALOG(R)File 73:EMBASE

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0080513751 EMBASE No: 2005157951

Inflammatory cytokines and atherosclerosis possible application for the gene therapy

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Vascular Disease Prevention ( Vasc. Dis. Prev. ) (Netherlands) April 1, 2005, 2/2 (115-120)

ISSN: 1567-2700

DOI: 10.2174/1567270053507183

DOCUMENT TYPE: Journal; Review RECORD TYPE: Abstract  
LANGUAGE: English SUMMARY LANGUAGE: English  
NUMBER OF REFERENCES: 47

3/3/45 (Item 23 from file: 73)  
DIALOG(R)File 73:EMBASE  
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0080473492 EMBASE No: 2005117650  
Mucosal adjuvants  
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Current Pharmaceutical Design ( Curr. Pharm. Des. ) (Netherlands) March  
23, 2005, 11/6 (801-811)  
CODEN: CPDEF ISSN: 1381-6128  
DOI: 10.2174/1381612053381846  
DOCUMENT TYPE: Journal; Review RECORD TYPE: Abstract  
LANGUAGE: English SUMMARY LANGUAGE: English  
NUMBER OF REFERENCES: 104

3/3/46 (Item 24 from file: 73)  
DIALOG(R)File 73:EMBASE  
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0080303920 EMBASE No: 2004489691  
Interleukin-18: Recent advances  
Reddy P.  
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Current Opinion in Hematology ( Curr. Opin. Hematol. ) (United States)  
November 1, 2004, 11/6 (405-410)  
CODEN: COHEF ISSN: 1065-6251  
DOI: 10.1097/01.moh.0000141926.95319.42  
DOCUMENT TYPE: Journal; Review RECORD TYPE: Abstract  
LANGUAGE: English SUMMARY LANGUAGE: English  
NUMBER OF REFERENCES: 81

3/3/47 (Item 25 from file: 73)  
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0080230136 EMBASE No: 2004409482  
Adjunctive immunotherapy of mycobacterial infections

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Current Pharmaceutical Design ( Curr. Pharm. Des. ) (Netherlands)  
October 8, 2004, 10/26 (3297-3312)  
CODEN: CPDEF ISSN: 1381-6128  
DOI: 10.2174/1381612043383232  
DOCUMENT TYPE: Journal; Review RECORD TYPE: Abstract  
LANGUAGE: English SUMMARY LANGUAGE: English  
NUMBER OF REFERENCES: 110

3/3/48 (Item 26 from file: 73)  
DIALOG(R)File 73:EMBASE  
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0080185966 EMBASE No: 2004478142  
Tumor necrosis factor-mediated inhibition of interleukin-18 in the brain:  
A clinical and experimental study in head-injured patients and  
in a murine model of closed head injury  
Schmidt O.I.; Morganti-Kossmann M.C.; Heyde C.E.; Perez D.; Yatsiv I.;  
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Journal of Neuroinflammation ( J. Neuroinflamm. ) (United Kingdom) July 28, 2004, 1/- (12)  
ISSN: 1742-2094  
DOI: 10.1186/1742-2094-1-13  
URL: <http://www.jneuroinflammation.com/content/1/1/13>  
DOCUMENT TYPE: Journal; Review RECORD TYPE: Abstract  
LANGUAGE: English SUMMARY LANGUAGE: English  
NUMBER OF REFERENCES: 34

3/3/49 (Item 27 from file: 73)  
DIALOG(R)File 73:EMBASE  
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0080050884 EMBASE No: 2004236033  
Interleukin-18 and the treatment of rheumatoid arthritis  
Dinarello C.A.  
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Rheumatic Disease Clinics of North America ( Rheum. Dis. Clin. North Am. ) (United States) May 1, 2004, 30/2 (417-434)  
CODEN: RDCAE ISSN: 0889-857X  
DOI: 10.1016/j.rdc.2004.02.001  
DOCUMENT TYPE: Journal; Review RECORD TYPE: Abstract  
LANGUAGE: English SUMMARY LANGUAGE: English  
NUMBER OF REFERENCES: 73

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0079940940 EMBASE No: 2004125963  
Potential new strategies to prevent the development of diabetic retinopathy  
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Expert Opinion on Investigational Drugs ( Expert Opin. Invest. Drugs ) ( United Kingdom) March 1, 2004, 13/3 (189-198)  
CODEN: EOIDE ISSN: 1354-3784  
DOI: 10.1517/eoid.13.3.189.27351  
DOCUMENT TYPE: Journal; Review RECORD TYPE: Abstract  
LANGUAGE: English SUMMARY LANGUAGE: English  
NUMBER OF REFERENCES: 85

3/3/51 (Item 29 from file: 73)  
DIALOG(R)File 73:EMBASE  
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0079759742 EMBASE No: 2003469920  
Interleukin 18 and its role in autoimmune diseases  
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Archives of Hellenic Medicine ( Arch. Hell. Med. ) (Greece) March 1, 2003, 20/2 (172-181)  
CODEN: AEIAF ISSN: 1105-3992  
DOCUMENT TYPE: Journal; Review RECORD TYPE: Abstract  
LANGUAGE: Greek SUMMARY LANGUAGE: English; Greek  
NUMBER OF REFERENCES: 72

3/3/52 (Item 30 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 2009 Elsevier B.V. All rts. reserv.

0079665247 EMBASE No: 2003373938

CrmA gene expression protects mice against concanavalin-A-induced hepatitis by inhibiting IL-18 secretion and hepatocyte apoptosis

Fujino M.; Kawasaki M.; Funeshima N.; Kitazawa Y.; Kosuga M.; Okabe K.; Hashimoto M.; Yaginuma H.; Mikoshiba K.; Okuyama T.; Suzuki S.; Li X.-K.

Department of Innovative Surgery, Natl. Res. Inst. Child Hlth./Devmt., 3-35-31 Taishido, Setagaya-ku, Tokyo 154-8567, Japan

CORRESP. AUTHOR/AFFIL: Li X.-K.: Department of Innovative Surgery, Natl. Res. Inst. Child Hlth./Devmt., 3-35-31 Taishido, Setagaya-ku, Tokyo 154-8567, Japan

Gene Therapy ( Gene Ther. ) (United Kingdom) September 1, 2003, 10/20 (1781-1790)

CODEN: GETHE ISSN: 0969-7128

DOI: 10.1038/sj.gt.3302067

DOCUMENT TYPE: Journal; Review RECORD TYPE: Abstract

LANGUAGE: English SUMMARY LANGUAGE: English

NUMBER OF REFERENCES: 62

3/3/53 (Item 31 from file: 73)

DIALOG(R)File 73:EMBASE

(c) 2009 Elsevier B.V. All rts. reserv.

0079648253 EMBASE No: 2003356661

Critical role for cathepsin B in mediating caspase-1-dependent interleukin-18 maturation and caspase-1-independent necrosis triggered by the microbial toxin nigericin

Hentze H.; Lin X.Y.; Choi M.S.K.; Porter A.G.

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Cell Death and Differentiation ( Cell Death Differ. ) (United Kingdom)

September 1, 2003, 10/9 (956-968)

CODEN: CDDIE ISSN: 1350-9047

DOI: 10.1038/sj.cdd.4401264

DOCUMENT TYPE: Journal; Review RECORD TYPE: Abstract

LANGUAGE: English SUMMARY LANGUAGE: English

NUMBER OF REFERENCES: 60

3/3/54 (Item 32 from file: 73)

DIALOG(R)File 73:EMBASE

(c) 2009 Elsevier B.V. All rts. reserv.

0079628216 EMBASE No: 2003336329

Resistance and susceptibility to Salmonella infections: Lessons from mice and patients with immunodeficiencies

Mastroeni P.; Ugrinovic S.; Chandra A.; MacLennan C.; Doffinger R.; Kumararatne D.

Centre for Veterinary Science, Dept. of Clin. Veterinary Medicine, University of Cambridge, Madingley Road, Cambridge, CB3 OES, United Kingdom

CORRESP. AUTHOR/AFFIL: Mastroeni P.: Centre for Veterinary Science, Dept. of Clin. Veterinary Medicine, University of Cambridge, Madingley Road,

Cambridge, CB3 OES, United Kingdom

Reviews in Medical Microbiology ( Rev. Med. Microbiol. ) (United Kingdom)  
April 1, 2003, 14/2 (53-62)  
CODEN: RMEME ISSN: 0954-139X  
DOCUMENT TYPE: Journal; Review RECORD TYPE: Abstract  
LANGUAGE: English SUMMARY LANGUAGE: English  
NUMBER OF REFERENCES: 80

3/3/55 (Item 33 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 2009 Elsevier B.V. All rts. reserv.

0079607055 EMBASE No: 2003314813  
Anti-inflammatory properties of pro-inflammatory interferon-gamma  
Muhl H.; Pfeilschifter J.  
Pharmazentrum Frankfurt, Univ. Hosp. Johann Wolfgang Goethe, Universitat  
Frankfurt am Main, Theodor-Stern-Kai 7, D-60590 Frankfurt am Main,  
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International Immunopharmacology ( Int. Immunopharmacol. ) (Netherlands)  
September 1, 2003, 3/9 (1247-1255)  
CODEN: IINMB ISSN: 1567-5769  
DOI: 10.1016/S1567-5769(03)00131-0  
DOCUMENT TYPE: Journal; Review RECORD TYPE: Abstract  
LANGUAGE: English SUMMARY LANGUAGE: English  
NUMBER OF REFERENCES: 124

3/3/56 (Item 34 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 2009 Elsevier B.V. All rts. reserv.

0079524490 EMBASE No: 2003230769  
Antibody therapy for rheumatoid arthritis  
Taylor P.C.  
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8LH, United Kingdom  
CORRESP. AUTHOR EMAIL: peter.c.taylor@ic.ac.uk

Current Opinion in Pharmacology ( Curr. Opin. Pharmacol. ) (United  
Kingdom) June 1, 2003, 3/3 (323-328)  
CODEN: COPUB ISSN: 1471-4892  
PUBLISHER ITEM IDENTIFIER: S1471489203000328  
DOI: 10.1016/S1471-4892(03)00032-8  
DOCUMENT TYPE: Journal; Review RECORD TYPE: Abstract  
LANGUAGE: English SUMMARY LANGUAGE: English  
NUMBER OF REFERENCES: 43

3/3/57 (Item 35 from file: 73)

DIALOG(R)File 73:EMBASE

(c) 2009 Elsevier B.V. All rts. reserv.

0079517067 EMBASE No: 2003223216

Interleukin 18 and interleukin 18 binding protein: Possible role in immunosuppression of chronic renal failure

Dinarello C.A.; Novick D.; Rubinstein M.; Lonnemann G.

Univ. of CO Health Sciences Center, Denver, CO, United States; Department of Medicine, B168, Univ. of CO Health Sciences Center, 4200 East 9th Ave., Denver, CO 80262, United States

CORRESP. AUTHOR/AFFIL: Dinarello C.A.: Department of Medicine, B168, Univ. of CO Health Sciences Center, 4200 East 9th Ave., Denver, CO 80262, United States

Blood Purification ( Blood Purif. ) (Switzerland) June 16, 2003, 21/3 (258-270)

CODEN: BLPUD ISSN: 0253-5068

DOI: 10.1159/000070699

DOCUMENT TYPE: Journal; Conference Paper RECORD TYPE: Abstract

LANGUAGE: English SUMMARY LANGUAGE: English

NUMBER OF REFERENCES: 81

3/3/58 (Item 36 from file: 73)

DIALOG(R)File 73:EMBASE

(c) 2009 Elsevier B.V. All rts. reserv.

0079472029 EMBASE No: 2003177377

Viral modulation of cell death by inhibition of caspases

Cassens U.; Lewinski G.; Samraj A.K.; Von Bernuth H.; Baust H.; Khazaie K.; Los M.

Institute of Transfusion Medicine, University of Munster, D-48149 Munster, Germany

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Archivum Immunologiae et Therapiae Experimentalis ( Arch. Immunol. Ther. Exp. ) (Poland) May 15, 2003, 51/1 (19-27)

CODEN: AITEA ISSN: 0004-069X

DOCUMENT TYPE: Journal; Review RECORD TYPE: Abstract

LANGUAGE: English SUMMARY LANGUAGE: English

NUMBER OF REFERENCES: 93

3/3/59 (Item 37 from file: 73)

DIALOG(R)File 73:EMBASE

(c) 2009 Elsevier B.V. All rts. reserv.

0079455947 EMBASE No: 2003161001

Anti-cytokines and cytokines in the treatment of rheumatoid arthritis

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CORRESP. AUTHOR EMAIL: peter.c.taylor@ic.ac.uk

Current Pharmaceutical Design ( Curr. Pharm. Des. ) (Netherlands) April 29, 2003, 9/14 (1095-1106)  
CODEN: CPDEF ISSN: 1381-6128  
DOCUMENT TYPE: Journal; Review RECORD TYPE: Abstract  
LANGUAGE: English SUMMARY LANGUAGE: English  
NUMBER OF REFERENCES: 119

3/3/60 (Item 38 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 2009 Elsevier B.V. All rts. reserv.

0079368209 EMBASE No: 2003071729  
Anti-interleukin-18 therapy in murine models of inflammatory bowel disease  
Lochner M.; Forster I.  
Inst. Med. Microbiol. Immunol./Hyg., Department of Internal Medicine II,  
Technical University of Munich, Munich, Germany  
AUTHOR EMAIL: foerster@lrz.tu-muenchen.de  
CORRESP. AUTHOR/AFFIL: Forster I.: Inst. Med. Mikrobiol., Immunol./Hyg.,  
Trogerstrasse 4b, D-81675 Munchen, Germany  
CORRESP. AUTHOR EMAIL: i.foerster@lrz.tu-muenchen.de

Pathobiology ( Pathobiology ) (Switzerland) February 19, 2003, 70/3 (164-169)  
CODEN: PATHE ISSN: 1015-2008  
DOI: 10.1159/000068149  
DOCUMENT TYPE: Journal; Conference Paper RECORD TYPE: Abstract  
LANGUAGE: English SUMMARY LANGUAGE: English  
NUMBER OF REFERENCES: 53

3/3/61 (Item 39 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 2009 Elsevier B.V. All rts. reserv.

0079355746 EMBASE No: 2003059116  
Differential requirements for JAK2 and TYK2 in T cell proliferation and IFN-gamma production induced by IL-12 alone or together with IL-18  
Sugimoto N.; Nakahira M.; Ahn H.-J.; Micallef M.; Hamaoka T.; Kurimoto M.; Fujiwara H.  
Department of Oncology, Osaka Univ. Graduate School of Med., 2-2 Yamada-oka, Suita, Osaka 565-0871, Japan  
AUTHOR EMAIL: hf@ongene.med.osaka-u.ac.jp  
CORRESP. AUTHOR/AFFIL: Fujiwara H.: Department of Oncology, Osaka Univ. Graduate School of Med., 2-2 Yamada-oka, Suita, Osaka 565-0871, Japan  
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European Journal of Immunology ( Eur. J. Immunol. ) (Germany) January 1, 2003, 33/1 (243-251)  
CODEN: EJIMA ISSN: 0014-2980  
DOI: 10.1002/immu.200390027  
DOCUMENT TYPE: Journal; Review RECORD TYPE: Abstract  
LANGUAGE: English SUMMARY LANGUAGE: English  
NUMBER OF REFERENCES: 27

3/3/62 (Item 40 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 2009 Elsevier B.V. All rts. reserv.

0079306258 EMBASE No: 2003009038

The role of IL-18 and IL-12 in the modulation of matrix metalloproteinases and their tissue inhibitors in monocytic cells

Abraham M.; Shapiro S.; Lahat N.; Miller A.

Neuroimmunology Unit, Immunology Research Units, Technion - Israel Inst. Technology, Haifa, Israel; Faculty of Medicine, Technion - Israel Inst. Technology, Haifa, Israel

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CORRESP. AUTHOR/AFFIL: Miller A.: Neuroimmunology Unit, Department of Neurology, Carmel Medical Center, 7 Michal Street, Haifa 34362, Israel

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International Immunology ( Int. Immunol. ) (United Kingdom) December 1, 2002, 14/12 (1449-1457)

CODEN: INIME ISSN: 0953-8178

DOCUMENT TYPE: Journal; Review RECORD TYPE: Abstract

LANGUAGE: English SUMMARY LANGUAGE: English

NUMBER OF REFERENCES: 60

3/3/63 (Item 41 from file: 73)

DIALOG(R)File 73:EMBASE

(c) 2009 Elsevier B.V. All rts. reserv.

0078852589 EMBASE No: 2002016231

Novel pro-inflammatory interleukins: Potential therapeutic targets in rheumatoid arthritis

Bessis N.; Boissier M.-C.

UPRES EA-3408 Et Formation De Recherche En Immunopathologie Et Immuno-intervention Articulaires, Rheumatology Department (CHU Avicenne, AP-HP), UFR Leonard De Vinci Bobigny, universite Paris 13, France; UPRES EA-2361, UFR Leonard De Vinci, 74 rue Marcel Cachin, 93017 Bobigny Cedex, France

CORRESP. AUTHOR/AFFIL: Bessis N.: UPRES EA-2361, UFR Leonard de Vinci, 74 rue Marcel Cachin, 93017 Bobigny Cedex, France

Joint Bone Spine ( Jt. Bone Spine ) (France) December 1, 2001, 68/6 (477-481)

CODEN: JBSPF ISSN: 1297-319X

DOI: 10.1016/S1297-319X(01)00310-4

DOCUMENT TYPE: Journal; Review RECORD TYPE: Abstract

LANGUAGE: English SUMMARY LANGUAGE: English

NUMBER OF REFERENCES: 39

3/3/64 (Item 42 from file: 73)

DIALOG(R)File 73:EMBASE

(c) 2009 Elsevier B.V. All rts. reserv.

0078748769 EMBASE No: 2001355103

Nitric oxide-releasing NSAIDs: A review of their current status

Fiorucci S.; Antonelli E.; Burgaud J.-L.; Morelli A.

Clin. Gastroenterol./Endosc. Digest., Policlinico Monteluce, 06100 Perugia, Italy

CORRESP. AUTHOR/AFFIL: Fiorucci S.: Clin. Gastroenterol./Endosc. Digest., Policlinico Monteluce, 06100 Perugia, Italy

CORRESP. AUTHOR EMAIL: fiorucci@unipg.it

Drug Safety ( Drug Saf. ) (New Zealand) October 22, 2001, 24/11 (801-811)

CODEN: DRSAE ISSN: 0114-5916  
DOCUMENT TYPE: Journal; Review RECORD TYPE: Abstract  
LANGUAGE: English SUMMARY LANGUAGE: English  
NUMBER OF REFERENCES: 53

3/3/65 (Item 43 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 2009 Elsevier B.V. All rts. reserv.

0078637497 EMBASE No: 2001243822  
Regulation of cytokine production by histamine through H SUB 2-receptor stimulation  
Nishibori M.; Kohka-Takahashi H.; Mori S.  
Department of Pharmacology, Graduate Sch. of Med. and Dent., Okayama University, Okayama 700-8558, Japan  
CORRESP. AUTHOR/AFFIL: Nishibori M.: Department of Pharmacology, Graduate Sch. of Med. and Dent., Okayama University, Okayama 700-8558, Japan  
CORRESP. AUTHOR EMAIL: mbori@md.okayama-u.ac.jp

Folia Pharmacologica Japonica ( Folia Pharmacol. Jpn. ) (Japan) July 24, 2001, 118/1 (29-35)  
CODEN: NYKZA ISSN: 0015-5691  
DOI: 10.1254/fpj.118.29  
DOCUMENT TYPE: Journal; Review RECORD TYPE: Abstract  
LANGUAGE: Japanese SUMMARY LANGUAGE: English; Japanese  
NUMBER OF REFERENCES: 26

3/3/66 (Item 44 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 2009 Elsevier B.V. All rts. reserv.

0077958519 EMBASE No: 2000007665  
The critical role of IL-12 and the IL-12Rbeta2 subunit in the generation of pathogenic autoreactive Th1 cells  
Shevach E.M.; Chang J.T.; Segal B.M.  
Laboratory of Immunology, Natl. Inst. Allergy Infectious Dis., NIH, Blg 10., RM11N315, Bethesda, MD 20892, United States  
CORRESP. AUTHOR/AFFIL: Shevach E.M.: Laboratory of Immunology, Natl. Inst. Allergy Infectious Dis., NIH, Blg 10., RM11N315, Bethesda, MD 20892, United States

Springer Seminars in Immunopathology ( Springer Semin. Immunopathol. ) ( Germany) December 1, 1999, 21/3 (249-262)  
CODEN: SSIMD ISSN: 0344-4325  
DOI: 10.1007/s002810050066  
DOCUMENT TYPE: Journal; Review RECORD TYPE: Abstract  
LANGUAGE: English SUMMARY LANGUAGE: English  
NUMBER OF REFERENCES: 50

3/3/67 (Item 45 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 2009 Elsevier B.V. All rts. reserv.

0077883038 EMBASE No: 1999369370  
Interleukin-18  
Dinarello C.A.  
Department of Medicine, Division of Infectious Diseases, Univ. of Colorado Hlth. Sci. Center, 4200 East Ninth Avenue, Denver, CO 80262,

United States

CORRESP. AUTHOR/AFFIL: Dinarello C.A.: Department of Medicine, Division Infectious Diseases, B168, Univ. Colorado Health Sciences Ctr., 4200 East Ninth Avenue, Denver, CO 80262, United States

Methods: A Companion to Methods in Enzymology ( Methods Companion Methods Enzymol. ) (United States) September 1, 1999, 19/1 (121-132)

CODEN: MTHDE ISSN: 1046-2023

DOI: 10.1006/meth.1999.0837

DOCUMENT TYPE: Journal; Review RECORD TYPE: Abstract

LANGUAGE: English SUMMARY LANGUAGE: English

NUMBER OF REFERENCES: 81

3/3/68 (Item 46 from file: 73)

DIALOG(R)File 73:EMBASE

(c) 2009 Elsevier B.V. All rts. reserv.

0077626955 EMBASE No: 1999113121

Recent progress in studies of IL-18

Nakamura S.; Kurimoto M.; Orita K.

Fujisaki Cell Center, Hayashibara Biochemical Lab. Inc., 675-1 Fujisaki, Okayama 702-8006, Japan

CORRESP. AUTHOR/AFFIL: Nakamura S.: Fujisaki Cell Center, Hayashibara Biochemical Lab. Inc., 675-1 Fujisaki, Okayama 702-8006, Japan

Biotherapy ( Biotherapy (Japan) ) (Japan) April 14, 1999, 13/2 (139-146)

CODEN: BITPE ISSN: 0914-2223

DOCUMENT TYPE: Journal; Review RECORD TYPE: Abstract

LANGUAGE: Japanese SUMMARY LANGUAGE: English; Japanese

NUMBER OF REFERENCES: 29

3/3/69 (Item 1 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 2009 Dialog. All rts. reserv.

17788330 PMID: 17367517 Record Identifier: PMC1838907

The role of the purinergic P2X7 receptor in inflammation.

Lister Martin F; Sharkey John; Sawatzky Deborah A; Hodgkiss Joseph P; Davidson Donald J; Rossi Adriano G; Finlayson Keith

MRC Centre for Inflammation Research, The Queen's Medical Research Institute, The University of Edinburgh, 47 Little France Crescent, Edinburgh, EH16 4TJ, UK. M.F.Lister@sms.ed.ac.uk

Journal of inflammation (London, England) (England) 2007, 4 p5,

ISSN 1476-9255--Electronic Journal Code: 101232234

Publishing Model Electronic

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Other Citation Owner: NLM

Record type: PubMed not MEDLINE

3/3/70 (Item 2 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 2009 Dialog. All rts. reserv.

16452443 PMID: 15761387

[Function of the interleukin-1 gene system in immunomodulation, apoptosis and proliferation in the male gonad]

Funkcja ukladu genow interleukiny 1 w procesach immunomodulacji, apoptozy i proliferacji w gonadzie meskiej.  
Rozwadowska Natalia; Fiszer Dorota; Kurpisz Maciej  
Instytut Genetyki Czlowieka PAN w Poznaniu.  
Post py higieny i medycyny doswiadczonej (Online) (Poland) Mar 7 2005,  
59 p56-67, ISSN 1732-2693--Electronic Journal Code: 101206517  
Publishing Model Print  
Document type: English Abstract; Journal Article; Review  
Languages: POLISH  
Main Citation Owner: NLM  
Record type: MEDLINE; Completed

3/3/71 (Item 3 from file: 155)  
DIALOG(R)File 155: MEDLINE(R)  
(c) format only 2009 Dialog. All rts. reserv.

16299332 PMID: 15644584  
The roles of cytokines, inflammation and immunity in vascular diseases.  
Ohsuzu Fumitaka  
The First Department of Medicine, National Defense Medical College, 3-2  
Namiki, Tokorozawa, Saitama 359-0042, Japan. ohsuzu@ne.ndmc.ac.jp  
Journal of atherosclerosis and thrombosis (Japan) 2004, 11 (6)  
p313-21, ISSN 1340-3478--Print Journal Code: 9506298  
Publishing Model Print  
Document type: Journal Article; Review  
Languages: ENGLISH  
Main Citation Owner: NLM  
Record type: MEDLINE; Completed

3/3/72 (Item 4 from file: 155)  
DIALOG(R)File 155: MEDLINE(R)  
(c) format only 2009 Dialog. All rts. reserv.

16294524 PMID: 15631310  
Therapeutic approaches in inflammatory bowel disease based on the  
immunopathogenesis.  
Siegmund B; Zeitz M  
Department of Medicine I, Charite Universitätsmedizin Berlin, Campus  
Benjamin Franklin, Germany.  
Roczniki Akademii Medycznej w Białymostku (1995) (Poland) 2004, 49  
p22-30, Journal Code: 9515551  
Publishing Model Print  
Document type: Journal Article; Review  
Languages: ENGLISH  
Main Citation Owner: NLM  
Record type: MEDLINE; Completed

3/3/73 (Item 5 from file: 155)  
DIALOG(R)File 155: MEDLINE(R)  
(c) format only 2009 Dialog. All rts. reserv.

14930587 PMID: 12189722  
Improvement of nonviral gene therapy by Epstein-Barr virus  
(EBV)-based plasmid vectors.  
Mazda O  
Department of Microbiology, Kyoto Prefectural University of Medicine,  
Kamikyo, Kyoto 602-8566, Japan. mazda@basic.kpu-m.ac.jp  
Current gene therapy (Netherlands) Sep 2002, 2 (3) p379-92, ISSN

1566-5232--Print Journal Code: 101125446  
Publishing Model Print  
Document type: Journal Article; Research Support, Non-U.S. Gov't; Review  
Languages: ENGLISH  
Main Citation Owner: NLM  
Record type: MEDLINE; Completed

3/3/74 (Item 1 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2009 American Chemical Society. All rts. reserv.

145101468 CA: 145(6)101468b JOURNAL  
Interleukin-18 treatment options for inflammatory diseases  
AUTHOR(S): Dinarello, Charles A.; Kaplanski, Gilles  
LOCATION: Department of Medicine, Division of Infectious Diseases,  
University of Colorado Health Sciences Center, Denver, CO, 80262, USA  
JOURNAL: Expert Rev. Clin. Immunol. (Expert Review of Clinical Immunology  
) DATE: 2005 VOLUME: 1 NUMBER: 4 PAGES: 619-632 CODEN: ERCIBU ISSN:  
1744-666X LANGUAGE: English PUBLISHER: Future Drugs Ltd.

3/3/75 (Item 2 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2009 American Chemical Society. All rts. reserv.

143095208 CA: 143(6)95208g JOURNAL  
New cytokine inhibitors: anti-IL-12/IL-18 antibodies  
AUTHOR(S): Nakamura, Kazuhiko  
LOCATION: Graduate School of Medicine, Kyushu University, Japan,  
JOURNAL: G.I. Res. (G.I. Research) DATE: 2005 VOLUME: 13 NUMBER: 1  
PAGES: 43-48 CODEN: GIREFM ISSN: 0918-9408 LANGUAGE: Japanese  
PUBLISHER: Sentan Igakusha

3/3/76 (Item 3 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2009 American Chemical Society. All rts. reserv.

140337427 CA: 140(21)337427k JOURNAL  
Anti-CD3 sFv/IL-18 fusion DNA for allergy therapy  
AUTHOR(S): Salagianni, Maria; Kemeny, David M.  
LOCATION: Department of Asthma, Allergy and Respiratory Science, Guy's,  
King's and St Thomas's School of Medicine, Kings College, London, UK,  
JOURNAL: Immunology (Immunology) DATE: 2003 VOLUME: 111 NUMBER: 1  
PAGES: 16-18 CODEN: IMMUAM ISSN: 0019-2805 LANGUAGE: English  
MEETING DATE: 20040000 PUBLISHER: Blackwell Publishing Ltd.

3/3/77 (Item 4 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2009 American Chemical Society. All rts. reserv.

138399988 CA: 138(26)399988m JOURNAL  
Macrophage-derived IL-18 targeting for the treatment of Crohn's disease  
AUTHOR(S): Kanai, Takanori; Uraushihara, Koji; Totsuka, Teruji; Okazawa,  
Akira; Hibi, Toshifumi; Oshima, Shigeru; Miyata, Tatsuya; Nakamura, Tetsuya  
; Watanabe, Mamoru  
LOCATION: Department of Gastroenterology and Hepatology, Graduate School,  
Tokyo Medical and Dental University, Tokyo, Japan, 113-8519  
JOURNAL: Curr. Drug Targets: Inflammation Allergy (Current Drug Targets:

Inflammation & Allergy) DATE: 2003 VOLUME: 2 NUMBER: 2 PAGES: 131-136  
CODEN: CDTICU ISSN: 1568-010X LANGUAGE: English PUBLISHER: Bentham  
Science Publishers Ltd.  
? t s3/7/4,9,16,28,32,38,46,48,49,51,66,67,74,75

3/7/4 (Item 4 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2009 The Thomson Corporation. All rts. reserv.

0019624154 BIOSIS NO.: 200700283895  
IL-18 in autoimmunity: review  
AUTHOR: Boraschi Diana (Reprint); Dinarello Charles A  
AUTHOR ADDRESS: CNR, Lab Cytokines, Unit Immunobiol, Inst Biomed  
Technol,CNR,Area Ric Cataldo, Via G Moruzzi 1, I-56124 Pisa, Italy\*\*Italy  
AUTHOR E-MAIL ADDRESS: diana.boraschi@itb.cnr.it  
JOURNAL: European Cytokine Network 17 (4): p224-252 DEC 2006 2006  
ISSN: 1148-5493  
DOCUMENT TYPE: Article; Literature Review  
RECORD TYPE: Abstract  
LANGUAGE: English

ABSTRACT: IL-18 is among the cytokines responsible for immune-mediated pathologies and is probably one of the factors that contribute to the pathogenesis of autoimmune diseases. Identification of the causes of uncontrolled IL-18 production and activity in autoimmunity would allow for novel therapeutic targets to effectively block autoimmune activation and inhibit concomitant tissue damage. \*\*\*IL\*\*\* - \*\*\*18\*\*\* is produced mainly by monocytes/macrophages in response to stimuli of viral/bacterial origin, its production being therefore one of the effects of innate immunity initiated by host-pathogen interaction. In this \*\*\*review\*\*\*, we summarise the evidence supporting both the effector and the pathogenic role of IL-18 in autoimmunity, and propose that the disturbed mechanism of innate immunity, resulting from macrophage activation through innate immunity receptors (TLR/IL-IR family), may be the basis of pathologically high levels of IL-18 production and activation. Unravelling the mechanisms of IL-18 production and activity in autoimmune diseases will allow the identification of targets for more effective therapeutic intervention.

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DIALOG(R)File 5:Biosis Previews(R)  
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18972774 BIOSIS NO.: 200600318169  
Agents against cytokine synthesis or receptors  
AUTHOR: Yamagata Toshiyuki; Ichinose Masakazu (Reprint)  
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ABSTRACT: Various cytokines play a critical role in pathophysiology of chronic inflammatory lung diseases including asthma and chronic obstructive pulmonary disease (COPD). The increasing evidence of the

involvement of these cytokines in the development of airway inflammation raises the possibility that these cytokines may become the novel promising \*\*\*therapeutic\*\*\* targets. Studies concerning the inhibition of interleukin (IL)-4 have been discontinued despite promising early results in asthma. Although blocking antibody against IL-5 markedly reduces the infiltration of eosinophils in peripheral blood and airway, it does not seem to be effective in symptomatic asthma, while blocking IL-13 might be more effective. On the contrary, anti-inflammatory cytokines themselves such as IL-10, IL-12, IL-18, IL-23 and interferon-gamma may have a \*\*\*therapeutic\*\*\* potential. \*\*\*Inhibition\*\*\* of TNF-alpha may also be useful in severe asthma or COPD. Many chemokines are also involved in the inflammatory response of asthma and COPD through the recruitment of inflammatory cells. Several small molecule inhibitors of chemokine receptors are now in development for the treatment of asthma and COPD. Antibodies that block IL-8 reduce neutrophilic inflammation. Chemokine M receptor antagonists, which block eosinophil chemotaxis, are now in clinical development for asthma \*\*\*therapy\*\*\*. As many cytokines are involved in the pathophysiology of inflammatory lung diseases, inhibitory agents of the synthesis of multiple cytokines may be more useful tools. Several such agents are now in \*\*\*clinical\*\*\* development. (c) 2005 Elsevier B.V. All rights reserved.

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DIALOG(R)File 5:Biosis Previews(R)  
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17225292 BIOSIS NO.: 200300184011  
Anti-interleukin-18 therapy in murine models of inflammatory bowel disease.

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ABSTRACT: Interleukin (IL)-18 is a cytokine with a broad array of effector functions, the most prominent of which is to act synergistically with IL-12 in interferon-gamma production and the induction of a strong T-helper-1-mediated immune response. In addition, IL-18 also upregulates the production of proinflammatory cytokines such as IL-1 and tumor necrosis factor-alpha. Analysis of IL-18-deficient mice revealed an important role of IL-18 in the activation of macrophages and natural killer cells in the context of infection with intracellular bacteria or parasites. In humans, it was reported that IL-18 is elevated at sites of inflammation in inflammatory bowel disease (IBD), particularly in Crohn's disease, suggesting a possible role for IL-18 in the development and persistence of IBD. In this \*\*\*review\*\*\* we summarize recent findings on the functional role of IL-18 in the pathogenesis of colitis with a special focus on murine models of IBD. The neutralizing mouse anti-mouse IL-18 antibodies generated in our group should facilitate the evaluation of the efficiency of therapeutic blockade of endogenous IL-18 in chronic mouse models of colitis besides the use of recombinant forms of the inhibitory \*\*\*IL\*\*\* - \*\*\*18\*\*\* -binding protein.

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The role of interleukin 18 in the pathogenesis of hypertension-induced vascular disease

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NUMBER OF REFERENCES: 70

Understanding the mechanism by which chronic high blood pressure induces vascular disease is of fundamental importance for prevention of the adverse consequences of hypertension. \*\*\*Clinical\*\*\* and population studies have consistently found increased circulating levels of interleukin 18 (

\*\*\*IL\*\*\* - \*\*\*18\*\*\* ) in \*\*\*patients\*\*\* with hypertension. Although obesity,

and possibly age, is a determinant of plasma IL-18 levels, the relationship of IL-18 to hypertension seems to be independent of these factors.

Experimental evidence indicates that the expression of IL-18 and/or its receptor can be induced by catecholamines or angiotensin, two factors that are involved in the pathophysiology of hypertension. Elevated circulating IL-18 levels are associated with vascular changes in the carotid artery, including increased carotid intima-media thickness, which, in turn, is a predictor of cardiovascular events in patients with established coronary disease. IL-18, either directly or through oxidative stress pathways and matrix metalloproteins, can alter endothelial function or induce vascular smooth muscle cell migration and/or proliferation to produce the vascular changes that occur with hypertension. This Review examines the data on IL-18 and hypertensive vascular disease, and explores the potential cellular and molecular mechanisms that might connect hypertension to vascular disease.

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Biological agents targeting interleukin-18  
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NUMBER OF REFERENCES: 176

Interleukin (IL)-18 is an important regulator of both innate and acquired immune responses. It is upregulated in several human autoimmune and inflammatory diseases, and, therefore, might represent a novel

\*\*\*therapeutic\*\*\* target. This \*\*\*review\*\*\* high-lights the biology of IL-18, its central role in inflammation and immune response, as well as provides evidence for the involvement of IL-18 in selected chronic inflammatory diseases. After that, the authors discuss various therapeutic strategies of IL-18 blockade in clinical and preclinical models, particularly the inhibition of IL-18 secretion, IL-18 binding protein, anti-IL-18 monoclonal antibodies and soluble IL-18 receptor. (c) 2007 Prous Science. All rights reserved.

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Interleukin-18 as a potential therapeutic target in chronic autoimmune/inflammatory conditions

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Expert Opinion on Biological Therapy ( Expert Opin. Biol. Ther. ) (United Kingdom) January 1, 2007, 7/1 (31-40)

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LANGUAGE: English SUMMARY LANGUAGE: English

NUMBER OF REFERENCES: 74

Interleukin-18 (IL-18), a recently identified immunoregulatory and inflammatory cytokine, has attracted a profound interest as a potential \*\*\*therapeutic\*\*\* target in autoimmune/inflammatory disorders. In this review the authors focus on: IL-18 biology as an important link between innate and adaptive immunity; evidence of its pro-inflammatory role in several human autoimmune and chronic inflammatory disorders; and data indicating that IL-18 blockade in animal models results in prevention/amelioration of the disease process and preservation of the target tissue integrity and function. Finally, the authors analyse strategies presently under development to block IL-18 function and potential pitfalls resulting from IL-18 blockade that should be considered in ongoing/future clinical trials. (c) 2007 Informa UK Ltd.

3/7/46 (Item 24 from file: 73)  
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0080303920 EMBASE No: 2004489691  
Interleukin-18: Recent advances  
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November 1, 2004, 11/6 (405-410)

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DOI: 10.1097/01.moh.0000141926.95319.42

DOCUMENT TYPE: Journal; Review RECORD TYPE: Abstract

LANGUAGE: English SUMMARY LANGUAGE: English

NUMBER OF REFERENCES: 81

Purpose of review: Interleukin-18 (IL-18) has potent immunomodulatory effects. It is the only cytokine with a unique capacity to induce T helper 1 or T helper 2 polarization, depending on the immunologic context. Serum levels of IL-18 are increased in many human diseases and it has been implicated in the pathogenesis of several immune-mediated processes. Some of the recent key advances in the immunobiology of IL-18 are discussed in this \*\*\*review\*\*\*. Recent findings: Recent data from several laboratories have shed light on the structure of IL-18; the signalling cascades that are initiated; and its role on modulating T cells, dendritic cells, and natural killer cell function. Several new reports have expanded and delineated the role of IL-18 in a multitude of diseases, but only recent advances in the role of IL-18 in three disease processes (acute graft-versus-host disease, insulin-dependent diabetes, and sepsis), where it appears to play paradoxic roles are discussed. Summary: Although emerging data shed more light on the complex role of IL-18 in immune reactions, they also pose more questions. Given the pleiotropic, complex, and at times paradoxic effects of IL-18 in various disease processes, better understanding of its immunobiology might lead to the development of IL-18 and/or its antagonists as \*\*\*therapeutic\*\*\* agents against immune-mediated diseases.

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0080185966 EMBASE No: 2004478142  
Tumor necrosis factor-mediated inhibition of interleukin-18 in the brain:  
A clinical and experimental study in head-injured patients and  
in a murine model of closed head injury  
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Journal of Neuroinflammation ( J. Neuroinflamm. ) (United Kingdom) July  
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URL: <http://www.jneuroinflammation.com/content/1/1/13>  
DOCUMENT TYPE: Journal; Review RECORD TYPE: Abstract  
LANGUAGE: English SUMMARY LANGUAGE: English  
NUMBER OF REFERENCES: 34

Tumor necrosis factor (TNF) and interleukin-(IL)-18 are important mediators of neuroinflammation after closed head injury (CHI). Both mediators have been previously found to be significantly elevated in the intracranial compartment after brain injury, both in patients as well as in experimental model systems. However, the interrelation and regulation of these crucial cytokines within the injured brain has not yet been investigated. The present study was designed to assess a potential regulation of intracranial IL-18 levels by TNF based on a clinical study in head-injured \*\*\*patients\*\*\* and an experimental model in mice. In the first part, we investigated the interrelationship between the daily TNF and IL-18 cerebrospinal fluid levels in 10 patients with severe CHI for up to 14 days after trauma. In the second part of the study, the potential TNF-dependent regulation of intracerebral IL-18 levels was further characterized in an experimental set-up in mice: (1) in a standardized model of CHI in TNF/lymphotoxin-alpha gene-deficient mice and wild-type (WT) littermates, and (2) by intracerebro-ventricular injection of mouse recombinant TNF in WT C57BL/6 mice. The results demonstrate an inverse correlation of intrathecal TNF and IL-18 levels in head-injured patients and a TNF-dependent inhibition of

\*\*\*IL\*\*\* - \*\*\*18\*\*\* after intracerebral injection in mice. These findings imply a potential new anti-inflammatory mechanism of TNF by attenuation of IL-18, thus confirming the proposed "dual" function of this cytokine in the pathophysiology of traumatic brain injury. (c) 2004 Schmidt et al., licensee BioMed Central Ltd.

3/7/49 (Item 27 from file: 73)  
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0080050884 EMBASE No: 2004236033  
Interleukin-18 and the treatment of rheumatoid arthritis  
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Rheumatic Disease Clinics of North America ( Rheum. Dis. Clin. North Am. ) (United States) May 1, 2004, 30/2 (417-434)  
CODEN: RDCAE ISSN: 0889-857X  
DOI: 10.1016/j.rdc.2004.02.001

DOCUMENT TYPE: Journal; Review RECORD TYPE: Abstract  
LANGUAGE: English SUMMARY LANGUAGE: English  
NUMBER OF REFERENCES: 73

Interleukin (IL)-18 is a new member of the IL-1 family of proinflammatory cytokines. Based on preclinical studies in animals, \*\*\*IL\*\*\* - \*\*\*18\*\*\* likely plays a role in rheumatoid arthritis, and strategies to block \*\*\*IL\*\*\* - \*\*\*18\*\*\* activity are underway in \*\*\*clinical\*\*\* trials. In one of these trials, a naturally occurring IL-18 binding protein (IL-18BP) binds IL-18 with a high affinity and reduces disease severity in models of inflammatory diseases. IL-18BP is not the soluble receptor for IL-18 but rather a distinct molecule, which appears to be distantly related to the IL-1 receptor type II, both structurally and functionally, and hence represents part of the IL-1 family of receptors.

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DIALOG(R)File 73:EMBASE  
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0079759742 EMBASE No: 2003469920  
Interleukin 18 and its role in autoimmune diseases  
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Archives of Hellenic Medicine ( Arch. Hell. Med. ) (Greece) March 1, 2003, 20/2 (172-181)  
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LANGUAGE: Greek SUMMARY LANGUAGE: English; Greek  
NUMBER OF REFERENCES: 72

Interleukin 18 (IL-18) was first described in 1989 as interferon gamma (IFN-gamma) inducing factor. It is a novel cytokine of the IL-1 family. IL-18 is an 18-kDa glycoprotein derived by cleavage of a 23-kDa precursor, pro-IL-18, by caspase 1. Pro-IL-18 is expressed in macrophages, dendritic cells, Kupffer cells, keratinocytes, chondrocytes, synovial fibroblasts and osteoblasts, while IL-18 receptor is present on naive T-lymphocytes, mature T-helper cells-type 1 (Th SUB 1) cells, natural killer cells (NK), macrophages, neutrophils and chondrocytes. IL-18 acts via its receptor and signals through the IL-1 pathway which involves myeloid differentiation primary response protein, IL-1-receptor associated kinase, tumor necrosis factor alpha receptor-associated factor 6, transforming growth factor beta activated kinase 1 and its binding protein, and activation of nuclear factor kB. IL-18 participates in both innate and acquired immunity. It induces Th SUB 1 maturation and activation of lymphocytes. IL-18 activates macrophages and induces cytokine release and nitric oxide production and it can enhance cell-to-cell interactions. It reduces chondrocyte proliferation, up-regulates nitric oxide synthase, stromelysin and cyclooxygenase 2 expression and enhances glycosaminoglycan release. In addition, IL-18 induces cytokine release and cytotoxicity from NK-cells and promotes angiogenesis from endothelial cells. Furthermore, it activates neutrophils while \*\*\*inhibiting\*\*\* osteoclast maturation. Regulation of IL-18 is mediated via IL-18 binding protein, a specific inhibitor for IL-18, which binds

\*\*\*IL\*\*\* - \*\*\*18\*\*\* with high affinity and neutralizes its function. It seems that \*\*\*IL\*\*\* - \*\*\*18\*\*\* has a role in various rheumatic diseases. IL-18 mRNA and protein have been detected rheumatoid arthritis (RA) synovial tissues while IL-18 receptor was also detected on synovial lymphocytes and macrophages. IL-18 seems to have a proinflammatory role in RA. It potentiates IL-12-induced IFN-gamma production by T-cells in RA synovium. Overproduction of IL-18 has been described in adult Still's disease and is possibly associated with the pathophysiology of the disease. IL-18 may play a role in various autoimmune diseases. Although IL-18 exhibits pleiotropic activities most data indicate that its proinflammatory effects predominate, particularly in inflammatory arthritis. Thus, IL-18 represents an attractive, novel \*\*\*therapeutic\*\*\* target.

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0077958519 EMBASE No: 2000007665  
The critical role of IL-12 and the IL-12Rbeta2 subunit in the generation of pathogenic autoreactive Th1 cells  
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Springer Seminars in Immunopathology ( Springer Semin. Immunopathol. ) ( Germany) December 1, 1999, 21/3 (249-262)  
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DOCUMENT TYPE: Journal; Review RECORD TYPE: Abstract  
LANGUAGE: English SUMMARY LANGUAGE: English  
NUMBER OF REFERENCES: 50

Experimental Allergic Encephalomyelitis (EAE) is a demyelinating disease of the central nervous system which is an animal model for the human autoimmune disease, multiple sclerosis. EAE is mediated by CD4 SUP + T cells and the T cells responsible for disease induction produce Th1 cytokines. IL-12 produced by monocytes and dendritic cells is the most critical factor which influences the development and differentiation of pathogenic autoreactive Th1 cells. Here, we \*\*\*review\*\*\* our recent studies on the critical contributions of IL-12 and the IL-12Rbeta2 subunit to the generation of autoreactive effector cells which mediate EAE. In addition, we discuss the potential contribution of IL-18 to the upregulation of the IL-12/IL-12Rbeta2 pathway and the contribution of the \*\*\*suppressor\*\*\* cytokines, IL-4 and IL-10, in downregulating this pathway. Collectively, our studies demonstrate that the IL-12/IL-12Rbeta2 pathway is a critical intermediary in the process of Th1 differentiation which can be both positively or negatively regulated. This pathway remains an attractive immunotherapeutic target for blockade of function with inhibitory reagents or downregulation by Th2 cytokines.

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0077883038 EMBASE No: 1999369370  
Interleukin-18

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Methods: A Companion to Methods in Enzymology ( Methods Companion Methods Enzymol. ) (United States) September 1, 1999, 19/1 (121-132)

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DOCUMENT TYPE: Journal; Review RECORD TYPE: Abstract

LANGUAGE: English SUMMARY LANGUAGE: English

NUMBER OF REFERENCES: 81

Interleukin (IL)-18 is a newly discovered cytokine, structurally similar to IL-1, with profound effects on T-cell activation. This short review summarizes the present knowledge on IL-18, to give an insight into the future perspectives for its possible use as vaccine adjuvant. Formerly called interferon (IFN) gamma inducing factor (IGIF), IL-18 is the new name of a novel cytokine that plays an important role in the T-cell-helper type 1 (Th1) response, primarily by its ability to induce IFNgamma production in T cells and natural killer (NK) cells. Mice deficient in IL-18 have suppressed IFNgamma production despite the presence of IL-12. IL-18 is related to the IL-1 family in terms of structure, receptor family, and function. In terms of structure, IL-18 and IL-1beta share primary amino acid sequences of the so-called 'signature sequence' motif and are similarly folded as all-beta pleated sheet molecules. Also similar to IL-1beta, IL-18 is synthesized as a biologically inactive precursor molecule lacking a signal peptide which requires cleavage into an active, mature molecule by the intracellular cysteine protease called IL-1beta-converting enzyme (ICE, also called caspase-1). The activity of mature IL-18 is closely related to that of IL-1. IL-18 induces gene expression and synthesis of tumor necrosis factor (TNF), IL-1, Fas ligand, and several chemokines. The activity of IL-18 is via an IL-18 receptor (IL-18R) complex. This IL-18R complex is made up of a binding chain termed IL-18Ralpha, a member of the IL-1 receptor family previously identified as the IL-1 receptor-related protein (IL-1Rrp), and a signaling chain, also a member of the IL-1R family. The IL-18R complex recruits the IL-1R-activating kinase (IRAK) and TNFR-associated factor-6 (TRAF-6) which phosphorylates nuclear factor kappaB (NFkappaB)-inducing kinase (NIK) with subsequent activation of NFkappaB. Thus on the basis of primary structure, three-dimensional structure, receptor family, signal transduction pathways and biological effects, IL-18 appears to be a new member of the IL-1 family. Similar to IL-1, IL-18 participates in both innate and acquired immunity.

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DIALOG(R)File 399:CA SEARCH(R)

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145101468 CA: 145(6)101468b JOURNAL

Interleukin-18 treatment options for inflammatory diseases

AUTHOR(S): Dinarello, Charles A.; Kaplanski, Gilles

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JOURNAL: Expert Rev. Clin. Immunol. (Expert Review of Clinical Immunology)

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SECTION:

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IDENTIFIERS: review interleukin 18 inflammatory disease

DESCRIPTORS:

Macrophage...

activation; several inflammatory diseases are mediated by IL-18 and can be treated by reducing IL-18 activity either with specific IL18 inhibitor or with caspase-1 inhibitor or monoclonal antibodies to IL-18

Inflammation...

Crohn's disease; several inflammatory diseases are mediated by IL-18 and can be treated by reducing IL-18 activity either with specific IL18 inhibitor or with caspase-1 inhibitor or monoclonal antibody to IL-18

Intestine, disease...

Crohn's; several inflammatory diseases are mediated by IL-18 and can be treated by reducing IL-18 activity either with specific IL18 inhibitor or with caspase-1 inhibitor or monoclonal antibodies to IL-18

Interferons...

$\gamma$ ; several inflammatory diseases are mediated by IL-18 with associated elevated interferon- $\gamma$  levels

Transplant and Transplantation...

graft-vs.-host reaction; several inflammatory diseases are mediated by IL-18 and can be treated by reducing IL-18 activity either with specific IL18 inhibitor or with caspase-1 inhibitor or monoclonal antibodies to IL-18

Kidney, disease...

ischemia; several inflammatory diseases are mediated by IL-18 and can be treated by reducing IL-18 activity either with specific IL18 inhibitor or with caspase-1 inhibitor or monoclonal antibodies to IL-18

Cell activation...

macrophage; several inflammatory diseases are mediated by IL-18 and can be treated by reducing IL-18 activity either with specific IL18 inhibitor or with caspase-1 inhibitor or monoclonal antibodies to IL-18

Antibodies and Immunoglobulins...

monoclonal; several inflammatory diseases are mediated by IL-18 and can be treated by reducing IL-18 activity either with specific IL18 inhibitor or with caspase-1 inhibitor or monoclonal antibodies to IL-18

Ischemia...

renal; several inflammatory diseases are mediated by IL-18 and can be treated by reducing IL-18 activity either with specific IL18 inhibitor or with caspase-1 inhibitor or monoclonal antibodies to IL-18

Interleukin 1 $\beta$ ... Interleukin 18... Atherosclerosis... Rheumatoid

arthritis... Psoriasis... Hepatitis... Human... Interleukin 18 receptors... several inflammatory diseases are mediated by IL-18 and can be treated by reducing IL-18 activity either with specific IL18 inhibitor or with caspase-1 inhibitor or monoclonal antibodies to IL-18 and

Lupus erythematosus...

systemic; several inflammatory diseases are mediated by IL-18 and can be treated by reducing IL-18 activity either with specific IL18 inhibitor or with caspase-1 inhibitor or monoclonal antibodies to IL-18

CAS REGISTRY NUMBERS:

122191-40-6 several inflammatory diseases are mediated by IL-18 and can be treated by reducing IL-18 activity either with specific IL18 inhibitor or with caspase-1 inhibitor or monoclonal antibodies to IL-18 and its receptor

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DIALOG(R)File 399:CA SEARCH(R)

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143095208 CA: 143(6)95208g JOURNAL

New cytokine inhibitors: anti-IL-12/IL-18 antibodies

AUTHOR(S): Nakamura, Kazuhiko  
LOCATION: Graduate School of Medicine, Kyushu University, Japan,  
JOURNAL: G.I. Res. (G.I. Research) DATE: 2005 VOLUME: 13 NUMBER: 1  
PAGES: 43-48 CODEN: GIREFM ISSN: 0918-9408 LANGUAGE: Japanese  
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    CA215000 Immunochemistry  
IDENTIFIERS: review interleukin antibody inflammatory bowel disease  
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Interleukin 12... Interleukin 18... Antibodies and Immunoglobulins... Human  
...  
    anti-interleukin-12 and interleukin-18 antibodies for treatment of  
    Crohn's disease  
Inflammation...  
    Crohn's disease; anti-interleukin-12 and interleukin-18 antibodies for  
    treatment of Crohn's disease  
Intestine, disease...  
    Crohn's; anti-interleukin-12 and interleukin-18 antibodies for  
    treatment of Crohn's disease  
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Set	Items	Description
S1	2151	(IL(W)18)(20N)(INHIBIT? OR SUPPRESS? OR ANTIBOD? OR IMMUNO- GLOBULIN? OR ANTAGONI? OR BLOCK? OR PREVENT?) AND (TREAT? OR - THERAP? OR CLINICAL OR PATIENT?)
S2	115	S1 AND (REVIEW? OR OVERVIEW? OR SYNOPSIS)
S3	77	RD S2 (unique items)
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